



## DOT-WASTE WATER TREATMENT PLANT OPERATOR

### Characteristics of Work

This is senior-level technical work in the operation and maintenance of all water treatment plants in a given area of the state. Employees perform a number of tests on waste water and drinking water to determine the extent of pollution and to adjust or advise others to adjust the composition of the water as chemical and/or pollution levels reach unacceptable levels. The work entails area-wide program responsibility, extensive travel, and the exercise of independent judgment in maintaining a number of water treatment plants within the assigned area. Direct supervision may be exercised over Waste Water Treatment Aides or other maintenance workers performing routine chemical tests and first echelon plant maintenance, however, the exercise of supervision is not a requirement for classification into this job title. General supervision is received from a District Maintenance Engineer or other administrative superior.

### Examples of Work

**Examples of work performed in this classification include, but are not limited to, the following:**

Conducts or supervises the conducting of chemical tests on a regular basis at all waste water and drinking water plants in an assigned area of the state; conducts program practices in accordance with the Mississippi Air and Water Pollution Control Act and the Mississippi Safe Drinking Water Act of 1976.

Performs tests for influent ph, effluent ph, percent settlement of solids, dissolved oxygen, and chlorine content; determines the extent to which results conform to requirements established by applicable federal and state laws and implements corrective procedures accordingly.

Maintains records of testing activity and plant maintenance performed during a given period; forwards data to the immediate supervisor for inclusion in periodic reports.

Performs preventative and corrective maintenance on specialized treatment plant equipment such as chlorine injectors and oxygen blowers; ensures that routine maintenance is performed by maintenance crews on plant pumps and motors and plant grounds.

Maintains familiarity with state-of-the-art pollution control equipment, procedures, and techniques; incorporates findings into daily operations for improved effectiveness of the program.

Performs related or similar duties as required or assigned.

### Essential Functions

**Additional essential functions may be identified and included by the hiring agency. The essential functions include, but are not limited to, the following:**

1. Performs chemical tests on waste water to ensure conformance to applicable federal, state and municipal laws, regulations and ordinances.
2. Performs preventative and corrective maintenance on specialized equipment and ensures performance of routine maintenance on pumps and motors by maintenance crews.

3. Keeps abreast of pollution control equipment and techniques.

#### Minimum Qualifications

These minimum qualifications have been agreed upon by Subject Matter Experts (SME's) in this job class and are based upon a job analysis and the essential functions. However, if a candidate believes he/she is qualified for the job although he/she does not have the minimum qualifications set forth below, he/she may request special consideration through substitution of related education and experience, demonstrating the ability to perform the essential functions of positions. Any request to substitute related education or experience for minimum qualifications must be addressed to the State Personnel Board in writing, identifying the related education and experience which demonstrates the candidate's ability to perform all essential functions of the position.

**Physical Requirements:** These physical requirements are not exhaustive, and additional job related physical requirements may be added to these by individual agencies on an as needed basis. Corrective devices may be used to meet physical requirements. These are typical requirements; however, reasonable accommodations may be possible.

**Moderate Work:** May frequently exert force equivalent to lifting up to approximately 25 pounds and/or occasionally exert force equivalent to lifting up to approximately 50 pounds.

**Vision:** Requires the ability to perceive the nature of objects by the eye.

**Near Acuity:** Clarity of vision at 20 inches or less.

**Midrange:** Clarity of vision at distances of more than 20 inches and less than 20 feet.

**Far Acuity:** Clarity of vision at 20 feet or more.

**Field of Vision:** Ability to observe an area up or down, left or right while eyes are fixed on a given point.

**Depth Perception:** Three-dimensional vision. Ability to judge distance and space relationships so as to see objects where and as they actually are.

**Accommodation:** Ability to adjust focus.

**Speaking/Hearing:** Ability to give and receive information through speaking and listening skills.

**Smell:** Ability to use the sense of smell to identify and distinguish odors.

**Motor Coordination:** While performing the duties of this job, the incumbent is regularly required to use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms. The incumbent is frequently required to walk; stand; stoop, kneel, crouch, or bend; and climb or balance. The incumbent is occasionally required to sit.

#### **Experience/Educational Requirements:**

##### **Certification, licensure, or registration:**

Possession of a current Class II Water Pollution Control Operator's Certificate;

**AND**

Possession of a current Class D, Class C, or Class B Water Works Operator's Certificate as required for operation of the level of water treatment plant(s) in the area to which assigned.

**Required Document:**

Applicant must attach a current copy of his/her Water Works Operator Certificate and Water Pollution Control Operator Certificate.

**Interview Requirements**

Any candidate who is called to an agency for an interview must notify the interviewing agency in writing of any reasonable accommodation needed prior to the date of the interview.